

# CBDPP

## Chronic Beryllium Disease Prevention Program

Points of contact and information on the Hanford Site Chronic Beryllium Disease Prevention Program (CBDPP) can be found on the following websites:

Hanford website (Internet):  
<http://www.hanford.gov/page.cfm/Beryllium>

HLAN intranet:  
<http://msasp.rl.gov/shq/bp/SitePages/Home.aspx>

# Improvements to the Hanford Site Chronic Beryllium Disease Prevention Program (CBDPP)

## Background

In 2010, the Department of Energy's Office of Health, Safety, and Security conducted an assessment of Hanford's Chronic Beryllium Disease Prevention Program (CBDPP), which indicated improvements were needed. Over the last 3 years, the Beryllium Corrective Action Plan team has worked to strengthen the CBDPP and develop "best-in-class" programs and procedures to ensure all workers are fully protected from the dangers of beryllium exposure. The team is made up of representatives of the Beryllium Awareness Group (BAG), the Central Washington Building & Construction Trades Council (CWB&CTC), the DOE field offices, the Hanford Atomic Metal Trades Council (HAMTC), site contractors, and the Hanford occupational medical services provider (HPM Corporation).

The first major CBDPP improvement to come out of the corrective action process was the Beryllium Work Permit (BWP) procedure that was implemented in 2012. In the next few weeks, the corrective action team will publish a major revision to the CBDPP that contains several improvements and new requirements.

## Assessment & Characterization – Buildings, Structures and Conex Boxes

- The assessment process will conservatively identify areas for characterization sampling.
- Impacted employees (including subcontractors) will be notified prior to assessment and characterization activities and may be interviewed and/or invited to participate in walk-downs.
- Employees with knowledge of specific historical facility use are encouraged to contact their industrial hygiene (IH) representative.
- Results of assessments and characterization activities will be readily available to employees (e.g., intranet, special requests, etc.).
- Beryllium postings will change if new information is learned during assessment activities.
- Impacted employees will be informed of any new information, and workers will be involved in the planning of work in affected areas.
- Additional assessment and characterization will be required as conditions change.
- Structures and Conex Boxes, previously not required to be assessed or characterized, are now included in the assessment & characterization requirements of the CBDPP.
- Interim controls (i.e. Work Control requirements) have been identified to ensure employees are being protected during implementation.



U.S. DEPARTMENT OF  
**ENERGY**

# Chronic Beryllium Disease Prevention Program Improvements

## Assessment & Characterization – Electrical Equipment

- IH notification is required during the planning process when maintenance of electrical equipment (breaker, switchgear, relay cabinet) is scheduled.
- We are characterizing electrical components for beryllium contamination and populating a database.
- Electrical safety is paramount. Sampling will not occur if prohibited by electrical safety requirements.

## Exposure Monitoring and Periodic Surface Sampling

- Monthly sampling is required in areas used by Beryllium Workers while beryllium work is ongoing.
- Annual sampling is required in areas used to store equipment used in beryllium areas.
- Area sampling is required during:
  - Demolition and load out of Beryllium Controlled Facilities (BCFs).
  - Intrusive activities in Beryllium Controlled Areas (BCAs)/Beryllium Regulated Areas (BRAs) that have rope boundaries.
  - At the step off pad(s) of BRAs during intrusive activities (may also be required for BCAs if deemed appropriate by IH).

## Postings

- The Postings requirements include changes to existing signs and new signs not previously used on the Hanford Site.
- Complete and detailed information about these requirements will be provided to you in separate communications.

## Work Control

- CBDPP Revision 2A includes new requirements for conducting beryllium work activities that will impact Work Control processes and procedures.
- Work package pre-job briefings will be used to communicate new precautions and/or limitations as new information is learned.
- The following requirements have been added to the CBDPP:
  - Criteria for developing a Technical Evaluation when correlating beryllium and radioactivity.
  - Additional guidance for personal protective equipment, including typical dress/undress.

## Medical Surveillance

- The Beryllium Medical Surveillance Program has been significantly improved. The implementation of DOE-0342 Revision 2A will require contractors to make available the Beryllium Information Booklet, an important source of beryllium information for employees. The most up to date version of the Beryllium Information Booklet on HPMC Occupational Medical Services (OMS) website: [http://www.hanford.gov/health/files.cfm/Beryllium\\_Information\\_Booklet.pdf](http://www.hanford.gov/health/files.cfm/Beryllium_Information_Booklet.pdf)

## Beryllium Counseling Handbook

- The purpose of the Beryllium Counseling and Benefits Handbook is to provide consistent, site wide information to workers diagnosed with a beryllium-related condition.
- The Handbook is intended to be used during employer counseling of beryllium-affected workers. It is available to all workers upon request.
- For additional information, contact your company's Beryllium Health Advocate.

